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› Zhiroad 4K Dual Dash Cam User Manual

## zhiroad CD311

# Zhiroad 4K Dual Dash Cam User Manual

Brand: zhiroad | Model: CD311

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Zhiroad 4K Dual Dash Cam. Please read this manual thoroughly before using the device to ensure proper functionality and safety.



Figure 1: Zhiroad 4K Dual Dash Cam Overview

## WHAT'S IN THE BOX

Upon opening the package, verify that all the following components are included:

- 4K Front Dashcam
- 1080P Rear Camera
- CPL Filter
- 3M Adhesive
- Suction Bracket
- Type C Power Cable (Car Charger)
- Reset Pin
- Cable Clips
- Crowbar (Pry Tool)

- USB Card Reader
- 64GB Card
- User Manual



Figure 2: Package Contents

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Video 1: Unboxing the Zhiroad 4K Dual Dash Camera, showing all included accessories and the main unit.

## SETUP

### 1. Initial Preparation

- Before first use, it is recommended to format the included 64GB Micro SD card within the dash cam settings.
- Ensure the Micro SD card is inserted correctly into the designated slot. The dashcam supports up to 256GB.
- The CPL filter is pre-installed on the dashcam. It can be rotated to reduce glare and reflections.



Figure 3: Magnetic CPL Filter

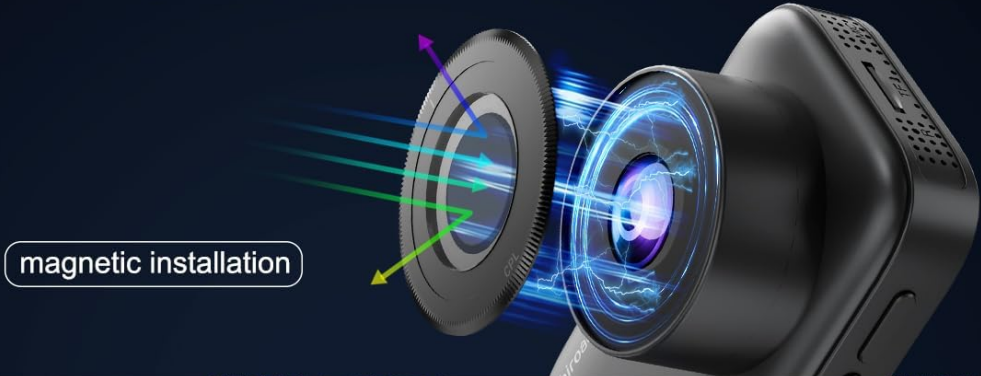
## 2. Installation

The dash cam is designed for easy installation. The front camera mounts to the windshield using the suction bracket, and the rear camera attaches with 3M adhesive.

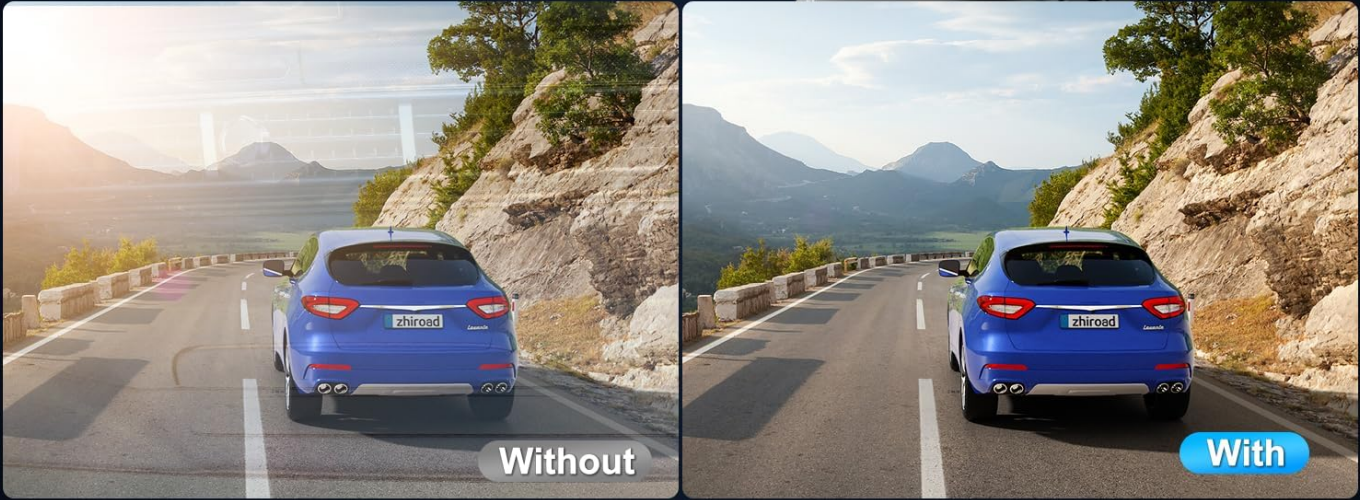
1. Clean the area on your windshield where the front dashcam will be mounted.
2. Attach the suction bracket to the front dashcam and secure it to the windshield, ensuring it does not obstruct your view.
3. Route the Type C power cable from the dashcam to your vehicle's 12V power outlet (cigarette lighter socket).
4. For the rear camera, choose a suitable location on your rear window. Clean the surface thoroughly.
5. Attach the rear camera using the provided 3M adhesive.
6. Connect the rear camera cable to the main dashcam unit and route the cable neatly using the crowbar and cable clips to hide it along the vehicle's interior trim.

# CPL Fliter

effectively reduce glare and reflection to produce the best video quality



magnetic installation



Without With

## Enhance Color and Contrast



better color tone better details reduce light reflection

Figure 4: Simple Installation Diagram

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Video 2: Demonstration of how to install the CD311 Dash Cam in a vehicle.

### 3. App Control and Wi-Fi Connection

The dash cam features 5GHz Wi-Fi for fast and seamless connectivity with your smartphone via a dedicated mobile app.

1. Download the official Zhiroad app from your smartphone's app store.
2. Turn on the dash cam.
3. On your smartphone, go to Wi-Fi settings and connect to the dash cam's Wi-Fi network. The network name and password can typically be found on the dash cam screen or in the user manual.
4. Open the Zhiroad app. You can now view live footage, download videos, adjust settings, and share recordings directly from your smartphone.



Figure 5: 5GHz WiFi & App Control Interface

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Video 3: Guide on how to connect the dash cam to your smartphone via Wi-Fi.

## OPERATING THE DASH CAM

### 1. Recording Modes

- **Loop Recording:** The dash cam continuously records video in short segments (e.g., 1, 2, or 3 minutes). When the memory card is full, the oldest unlocked files are automatically overwritten by new recordings. This ensures continuous operation without manual intervention.
- **G-Sensor (Emergency Lock):** The built-in G-sensor automatically detects sudden impacts or collisions. When an event is detected, the current video segment is locked and saved to a protected folder, preventing it from being overwritten by loop recording. This footage serves as crucial evidence in case of an accident.

# Simple Design Easy to Install

The front and rear dash cam are all installed in the car, easy done by yourself.

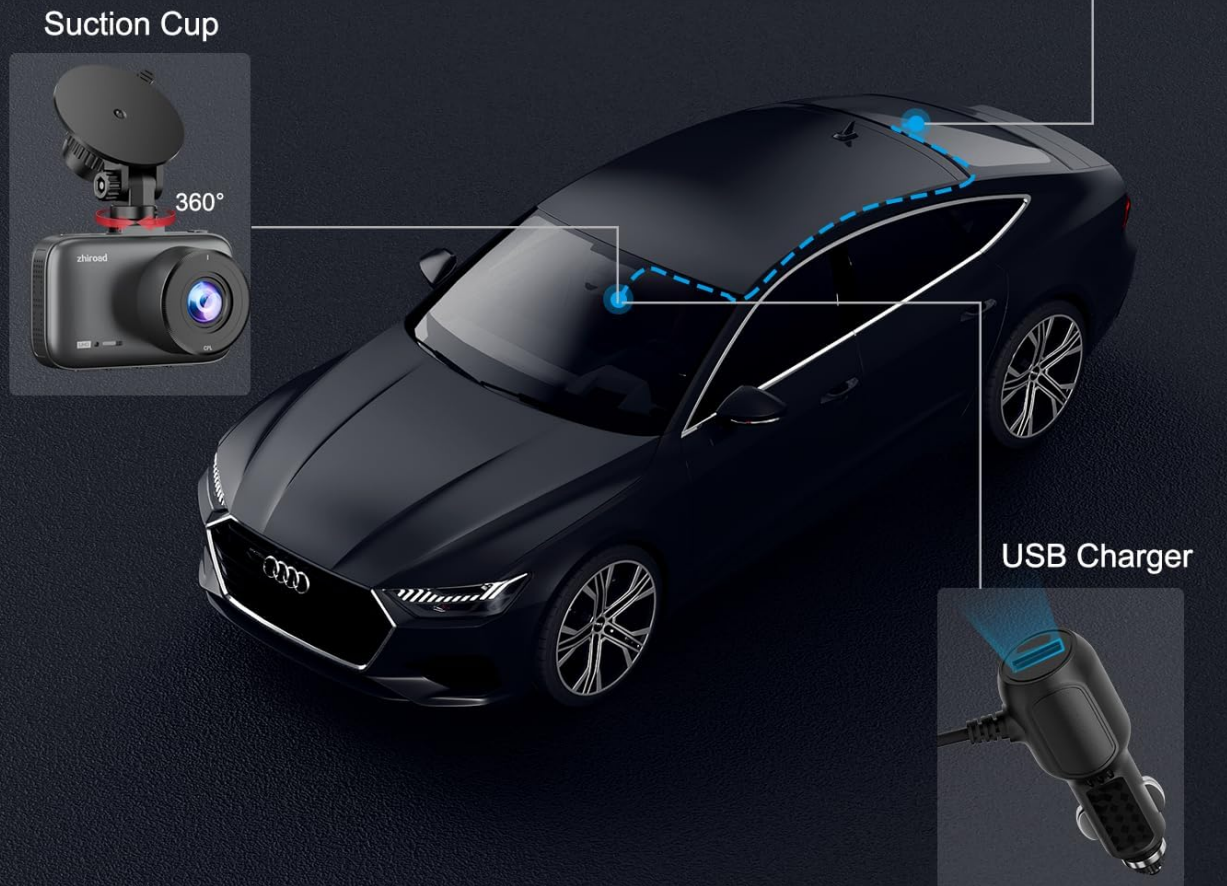


Figure 6: Recording Features: Loop Recording, G-Sensor, and Parking Monitor

## 2. Parking Monitoring

The dash cam offers 24-hour parking monitoring to protect your vehicle when it's parked. This feature requires a hardwire kit (not included) for continuous power supply.

- **Time Lapse Mode:** Records continuously at a low frame rate, minimizing power consumption and storage space while providing comprehensive coverage.
- **Collision Detection Mode:** If the G-sensor detects an impact while parked, the dash cam will automatically wake up and record a short video segment.

**Note:** For 24-hour parking monitoring, a hardwire kit is required and sold separately.



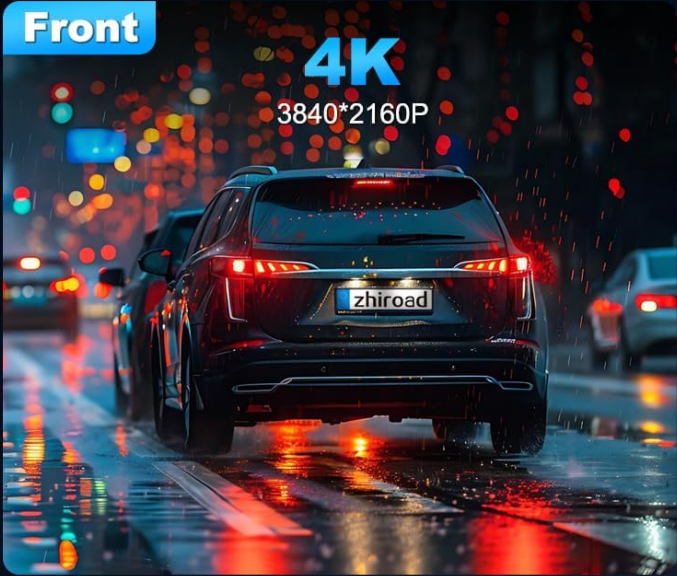
Figure 7: Parking Monitor Modes

### 3. Video Quality Features

- **4K Ultra HD Front Camera:** Records at 3840x2160P, capturing clear details like license plates and road signs.
- **1080P Rear Camera:** Records at 1920x1080P, providing a clear view of the rear. The rear camera is 360° rotatable for flexible positioning.
- **Super Night Vision:** Equipped with a large F/1.8 aperture 6-layer optical lens and WDR (Wide Dynamic Range) technology, the camera enhances exposure in dark situations, ensuring clear images in low-light environments.
- **CPL Filter:** The magnetic Circular Polarizer (CPL) filter reduces glare and reflections from the windshield, especially in bright sunlight or from headlights at night, improving video clarity and contrast.

Front

4K  
3840\*2160P



Rear

1080P  
1920\*1080P



## Super Night Vision



  
F/1.8 Aperture

  
6 Layer Glass

  
WDR

  
170° Wide Angle

Figure 8: Super Night Vision and WDR



Figure 9: Wide Angle Recording Coverage

## MAINTENANCE

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### 1. Formatting the Micro SD Card

Regularly formatting the Micro SD card is crucial for optimal performance and to prevent data corruption. It is recommended to format the card at least once a month.

1. Turn on the dash cam.
2. Navigate to the settings menu on the dash cam screen.
3. Locate the "Format" or "SD Card Format" option.
4. Confirm the formatting process. All data on the card will be erased.

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Video 4: Instructions on how to format the dash cam's memory card.

## 2. Cleaning the Lens

To maintain clear video quality, regularly clean the dash cam lenses (front and rear) with a soft, lint-free cloth. Avoid using abrasive materials or chemical cleaners that could damage the lens coating.

## TROUBLESHOOTING

| Problem                                              | Possible Cause / Solution                                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dash cam does not power on.                          | Check the power connection to the car charger. Ensure the car's power outlet is functioning. The included battery is for parking monitor and saving settings, not continuous operation. |
| Video footage is blurry or unclear.                  | Clean the camera lenses. Ensure the protective film (if any) has been removed. Adjust the CPL filter rotation to reduce glare. Check if the resolution settings are optimal.            |
| Dash cam stops recording or shows "card full" error. | Format the Micro SD card regularly. Ensure loop recording is enabled. Check if the card is a Class 10 or higher. Replace the SD card if it's old or corrupted.                          |
| Wi-Fi connection issues with the app.                | Ensure the dash cam's Wi-Fi is enabled. Re-enter the Wi-Fi password. Try restarting both the dash cam and your smartphone. Ensure your phone is within range.                           |
| Parking monitor not working.                         | Verify that a hardwire kit is correctly installed and providing continuous power to the dash cam. Check parking monitor settings in the menu.                                           |

## SPECIFICATIONS

| Feature                   | Detail                                                                                                                                                        |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Dimensions        | 1.38 x 3.54 x 2.24 inches                                                                                                                                     |
| Item Weight               | 1.19 pounds                                                                                                                                                   |
| Model Number              | CD311                                                                                                                                                         |
| Batteries                 | 1 Lithium Metal battery (included)                                                                                                                            |
| Connectivity Technologies | Wi-Fi (5GHz)                                                                                                                                                  |
| Special Features          | Loop Recording, Built-In WiFi, Night Vision, App Control, Compact Design, Magnetic CPL Filter, G-Sensor, 24-hour Parking Monitor (with optional hardwire kit) |
| Video Capture Resolution  | Front: 4K (3840x2160P), Rear: 1080P (1920x1080P)                                                                                                              |
| Included Components       | User Manual, Car Charger, 64GB SD Card, Rear Camera, CPL Filter, Mounting Accessories                                                                         |

| Feature       | Detail                             |
|---------------|------------------------------------|
| Mounting Type | Windshield Mount (Suction Bracket) |
| Brand         | zhiroad                            |
| Color         | Black                              |

## WARRANTY AND SUPPORT

Zhiroad is committed to providing reliable products and excellent customer support. For any inquiries or concerns regarding your dash cam, please contact our after-sales support team. We are ready to assist you.

- **After-Sales Support:** Zhiroad offers excellent after-sales support.
- **Warranty Information:** Please refer to the specific warranty terms provided with your purchase documentation or contact Zhiroad customer service for details.

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### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question